S Simplex

UL, ULC, CSFM Listed*

Fire Control Panel Accessories

SafeLINC® Fire Panel Internet Interface for
Model Series 4100U, 4100, 4120, and 4020

Features

SafeLINC Fire Panel Internet Interface (FPII) enables investigation of fire alarm control panel status using the familiar interface of an Internet browser:

- Provides single user access for up to 20 different user accounts (access is one-at-a-time)
- Compatible with Internet Explorer (version 5.0 or higher)**
- Intuitive menu screens
- UL Listed to Standard 864

Security access features:

- Generic initial login screen
- Multiple user accounts and passwords similar to the host control panel
- Programmable lockout to prevent excessive login attempts by unauthorized users

Compatible with fire alarm control panel model Series 4100U and installed legacy models 4100, 4120, and 4020 (see mounting notes on page 3)

Automatic or scheduled e-mail feature provides selectable notification to user accounts:

- Built-in e-mail feature will notify user accounts of individually selected status changes either automatically or as scheduled
- With 4100U control, action messages can be sent to e-mail distribution lists for Emergency Communication System (ECS) operation (see details on pages 3 and 4)
- Information can be alarm, supervisory, trouble; or TrueAlarm® Sensor Service and Status Reports
- Compatible pagers, cell phones, or Personal Digital Assistants can receive direct e-mail messages or messages forwarded from a user account
- Personal Digital Assistants (PDAs) can be synchronized to user account e-mail messages for message portability
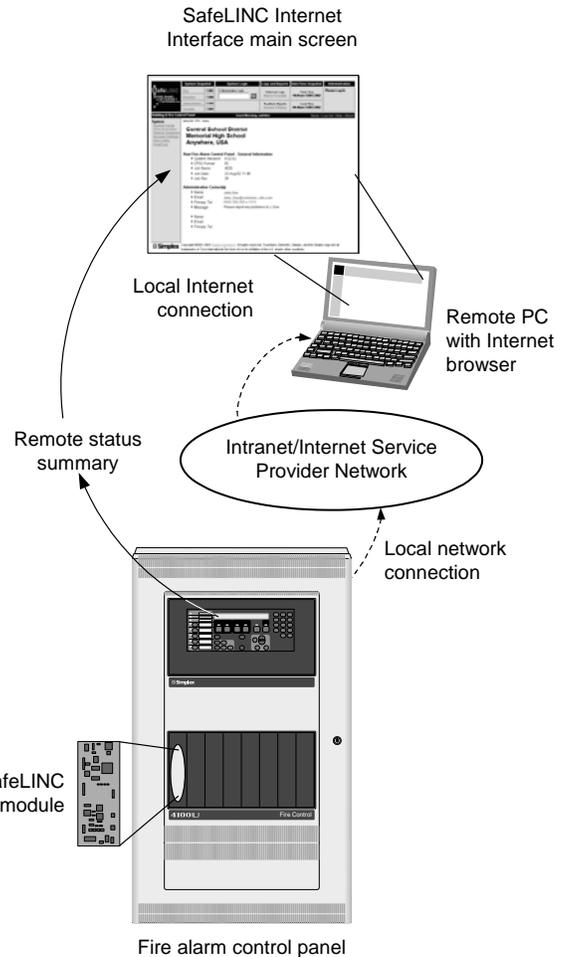
Available information:

- Alarm, Priority 2 Alarm, Supervisory, and Trouble counts and status messages
- Detailed point information accessible similar to that available at the panel
- TrueAlarm® sensor status including both status reports and service reports
- Alarm and Trouble log information

On-board service PC port provides convenient installation setup and diagnostics

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* This product has been approved by the California State Fire Marshal (CSFM) pursuant to Section 13144.1 of the California Health and Safety Code. See CSFM Listing 7300-0026:312 for allowable values and/or conditions concerning material presented in this document. It is subject to re-examination, revision, and possible cancellation. This product was not MEA (NYC) approved as of document revision date. FM approval is not applicable for this product type. Additional listings may be applicable: contact your local Simplex product supplier for the latest status. Listings and approvals under Simplex Time Recorder Co. are the property of Tyco Safety Products Westminster.

** Internet Explorer is a product of Microsoft® Corporation.

SafeLINC Internet Interface main screen

Local Internet connection

Remote PC with Internet browser

Remote status summary

Intranet/Internet Service Provider Network

Local network connection

SafeLINC FPII module

Fire alarm control panel

SafeLINC FPII System Connection Drawing

Description

Fire Alarm Control Panel System Information.
Simplex® fire alarm control panels monitor their connected devices and gather system information to describe the status of the protected buildings. This information is available at the panel and via accessory devices such as remote terminals or dial-in modems, all requiring special equipment connections.

Secure Internet Access. The SafeLINC Internet interface provides an alternative access to system information using the familiar interface of a standard Internet browser. A remotely located fire professional can use this access to analyze control panel status during non-alarm conditions and can also use this information to assist local fire responders during alarm conditions. (**NOTE:** Secure access requires proper installation behind network firewalls consistent with local network security requirements.)

Main Screen Description

Fire Alarm Control Panel Status Count:
Fire; Priority 2; Supervisory; Trouble

System menu for selecting investigation detail

Administrator access login

Local PC time and remote fire alarm control panel time

System Snapshot		System Login	Logs and Reports	Date/Time Snapshot	Administration
SafeLINC FIRE PANEL INTERNET INTERFACE		☐ Administration Login [____] Go			**Please Log In**
Fire	001		Historical Logs Alarm | Trouble	Panel Time 10:01am 12DEC2002	
Priority2	000				
Supervisory	000		TrueAlarm Reports Service | Status	Local Time 09:48am 12DEC2002	
Trouble	003				

Building 1 Fire Control Panel   Good Morning, safelinc   Home \| Log Out \| Help \| About

System
System Cards
View Point Data
System Summary
Account Settings
User Links
Email Log

SafeLINC FPII : Home

Central School District Memorial High School Anywhere, USA

Host Fire Alarm Control Panel - General Information
- ▸ *System Revision:* 9.02.02
- ▸ *CFIG Format:* 92
- ▸ *Job Name:* 4020
- ▸ *Job Date:* 22-Aug-02 11:48
- ▸ *Job Rev:* 39

Administrative Contact(s)
- ▸ *Name:* John Doe
- ▸ *Email:* John_Doe@customer_site.com
- ▸ *Primary Tel:* (555) 555-555 x 1111
- ▸ *Message:* Please report any problems to J. Doe

History logs and TrueAlarm sensor report access

Connected panel details

Event Screen Sample

System Snapshot		System Login	Logs and Reports	Date/Time Snapshot	Administration
SafeLINC FIRE PANEL INTERNET INTERFACE		☐ Administration Login [____] Go			**Please Log In**
Fire	001		Historical Logs Alarm | Trouble	Panel Time 01:26pm 12DEC2002	
Priority2	000				
Supervisory	000		TrueAlarm Reports Service | Status	Local Time 01:13pm 12DEC2002	
Trouble	003				

Building 1 Fire Control Panel   Good Afternoon, safelinc   Home \| Log Out \| Help \| About

System
System Cards
View Point Data
System Summary
Account Settings
User Links
Email Log

SafeLINC FPII : System Event Snapshot : Fire Event(s)

Active Fire Event(s)
A snapshot of the active fire events are listed for your system below. Click on the hypertext custom label to obtain detailed information about the point shown. To refresh the active Fire Event list, click on the Fire hypertext link located under System Snapshot above.

FIRE

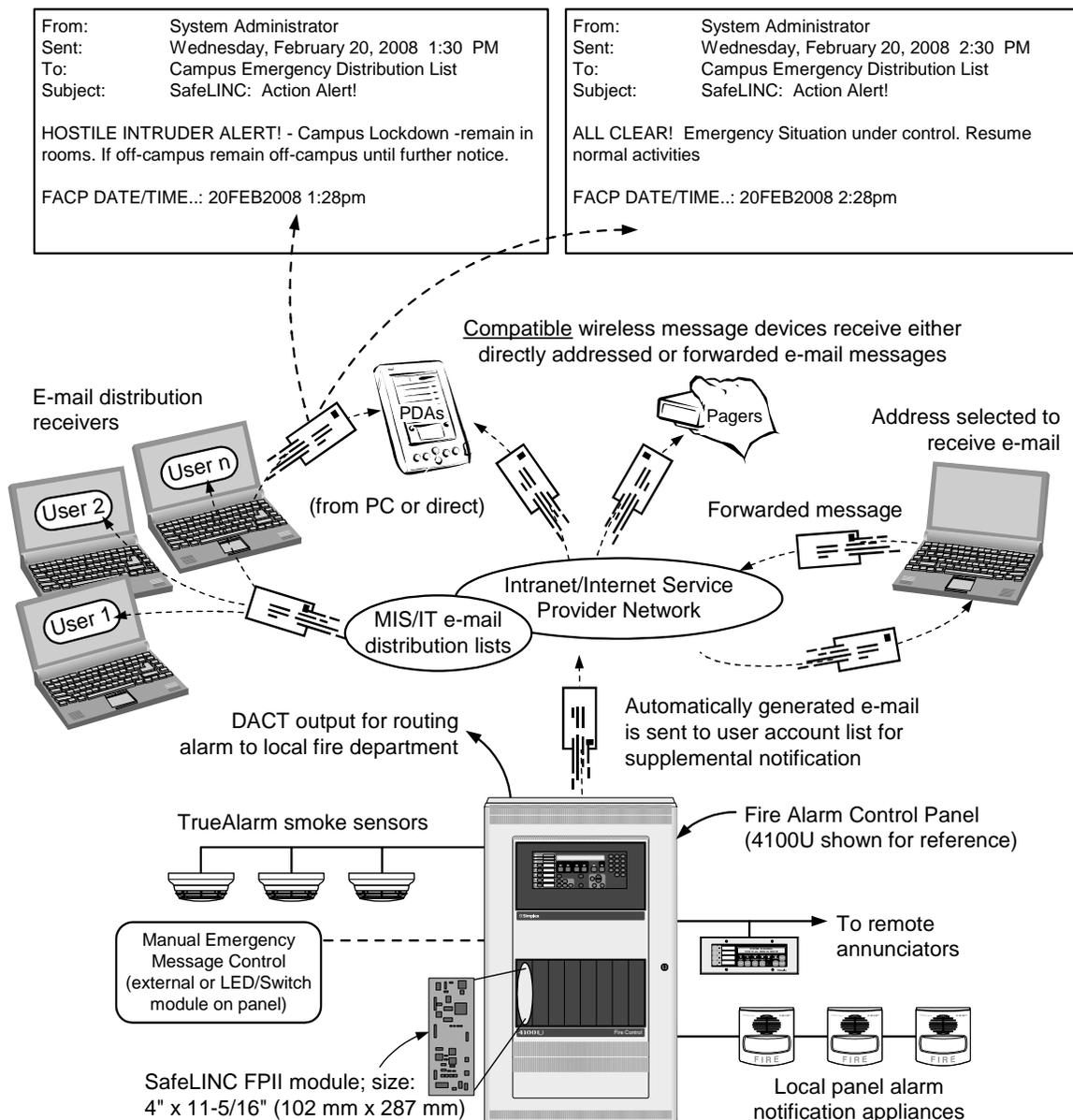| Point Address & Custom Label:		Needs Ack?
8-3-3 4100 MONITOR CARD 3 ZONE NUMBER 1		NO
Banner:		Status:
FIRE MONITOR ZONE		FIRE

Emergency Contact(s)
- ▸ *Name:* John Doe
- ▸ *Email:* John_Doe@customer_site.com
- ▸ *Primary Tel:* (555) 555-555 x 1111
- ▸ *Message:* Please report any problems to J. Doe

SafeLINC Fire Panel Internet Interface Product Selection

Model	Compatible Panels			Mounting Reference	Module Impact
4100-6060	**4100U** Fire Alarm Control Panels			Mounts in Blocks A & B in an expansion bay	Reduces RS-232 Module capacity by one;
4120-0160	**4120** Series Network Panels: 4120-8001 / 4120-8010 / 4120-8201	4120-8210 / 4120-8511 / 4120-8601	4120-8700 / 4120-8701 / 4120-8721	4" (102 mm) module width, requires two slot locations; for add-on to existing 4100/4120 fire alarm control panels only; order using 4120-8901 or 4100-8901 System Add-on	With a SafeLINC FPII installed, each of these panels can have up to two additional RS-232 Modules
4100-0160	**4100** Series Fire Alarm Panels: 4100-8001 / 4100-8010 / 4100-8201	4100-8210 / 4100-8511 / —	4100-8601 / 4100-8701 / —		
4020-0160	**4020** Series Fire Alarm Panel model 4020-8001			Mounts in available 4" width on back plate or on top hat bracket; for add-on to existing 4020 fire alarm control panels only; order using 4020-8901 System Add-on	4020 supports **either** the 4020-0160 **or** the 4020-0113 Dual RS-232 Module; *only one is available*

Message Distribution Diagram

Sample Emergency ALERT and ALL CLEAR Messages (requires 4100U Host Panel)

From: System Administrator
Sent: Wednesday, February 20, 2008 1:30 PM
To: Campus Emergency Distribution List
Subject: SafeLINC: Action Alert!

HOSTILE INTRUDER ALERT! - Campus Lockdown -remain in rooms. If off-campus remain off-campus until further notice.

FACP DATE/TIME..: 20FEB2008 1:28pm

From: System Administrator
Sent: Wednesday, February 20, 2008 2:30 PM
To: Campus Emergency Distribution List
Subject: SafeLINC: Action Alert!

ALL CLEAR! Emergency Situation under control. Resume normal activities

FACP DATE/TIME..: 20FEB2008 2:28pm

Compatible wireless message devices receive either directly addressed or forwarded e-mail messages

E-mail distribution receivers

User n

User 2

User 1

PDAs

(from PC or direct)

Pagers

Address selected to receive e-mail

Forwarded message

Intranet/Internet Service Provider Network

MIS/IT e-mail distribution lists

Automatically generated e-mail is sent to user account list for supplemental notification

DACT output for routing alarm to local fire department

TrueAlarm smoke sensors

Fire Alarm Control Panel (4100U shown for reference)

To remote annunciators

Manual Emergency Message Control (external or LED/Switch module on panel)

SafeLINC FPII module; size: 4" x 11-5/16" (102 mm x 287 mm)

Local panel alarm notification appliances

Connection Requirements

The SafeLINC Internet interface is normally installed into a local facility network using conventional CAT 5 wiring (or better) and configured similar to an individual computer. The following summarizes the typical requirements:

- Mount behind security firewalls for maximum protection
- To automatically send e-mails, a simple mail transfer protocol (SMTP) mail account is required
- Each module has a unique Media Access Control (MAC) address that will be required by the local MIS/IT department to configure on the network
- For detailed information, refer to Installation, Setup, and Operating Instructions 579-349.

Access Security

Anonymous Login Screen. The primary login screen (upper right) does not describe the available connection. Unauthorized visitors that might find the SafeLINC Internet interface location would not know the purpose of the screen.

Selectable Login Parameters. The designated SafeLINC FPII Administrator(s) can select the following parameters:

- Programmable login attempts before lockout; selectable from 1 to 20 with 3 as default
- Following an unsuccessful login attempt, a lockout period is in effect and during this time no access is allowed; lockout time is selectable from 0 to 24 hours, with 1 hour as default
- If desired, individual IP addresses or address series can be blocked from access
- Information is gathered about any unsuccessful attempt to login and e-mailed to the administrator(s)
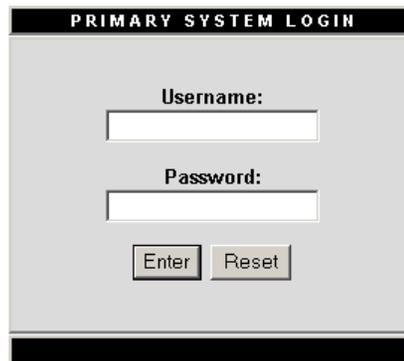
Report Generation

The following reports are available:
- TrueAlarm sensor status reports for sensitivity selection, device status, and dirt accumulation status
- TrueAlarm sensor service reports including detail of current status and recorded peak status
- Logs for: Fire Alarm, Priority 2 Alarm, Supervisory, and Trouble

IE 5.0+ Or Netscape 6.1+ on Win 98/ME/NT/2k Required
All access attempts to this site are logged.

Primary Login Screen

E-Mail Notification

E-Mail Feature. User accounts include e-mail addresses to allow the receipt of automatically generated or previously scheduled messages. Each user account can be selected for the event message categories required.

Note: Use of e-mail server distribution lists can assist to identify the required recipients.

4100U Emergency Communication Messages. When controlled from a 4100U Fire Alarm Control Panel (4100U revision 12.04.02 or higher, and SafeLINC software at revision 2.02.03 or higher), the 4100U custom point detail action messages (up to 50 per 4100U) can be programmed (at the 4100U) to route to selected e-mail distribution lists. With messages similar to those shown on page 3, this can be part of an Emergency Communications System (Mass Notification). **Note: All point detail action messages** will route to the selected lists.

Message Forwarding. At the receiving e-mail account, messages can be forwarded by the local e-mail application. Messages can be forwarded to another computer, pager, Personal Digital Assistant (PDA), or other e-mail compatible message receiver. If desired, a user account could include an e-mail address list to allow distribution to multiple receivers without requiring forwarding and by using only one of the 20 available user accounts. (Refer to the message diagram on page 3.)

Synchronizing with PDAs. Compatible PDAs can be synchronized to a PC with a user account and pertinent messages can be stored for message portability.

Module Specifications

Compatible PC Operating Systems	Windows® 98, ME, NT, and 2000	
Voltage Range	18 to 33 VDC, supplied from the host fire alarm control panel	
Current, Supervisory and Alarm	125 mA maximum @ 24 VDC	
Module Status LEDs (for setup and service)	LED 1	Ethernet link status indicator, green LED
	LED 2	Ethernet link activity indicator, red LED
	LED 3	Detailed status indicator, yellow LED; blinking codes provide internal diagnostics and details on external connections
Operating Temperature Range	32° to 120°F (0° to 49° C)	
Operating Humidity Range	Up to 93% RH, non-condensing @ 90° F (32° C) maximum	